



## SEQUENCE LISTING

&lt;110&gt; BRUNE, Martin Hermann Klemens

&lt;120&gt; ASSAYS FOR NUCLEOSIDE DIPHOSPHATES AND TRIPHOSPHATES

&lt;130&gt; 2001-1463A/WMC/01779

&lt;140&gt; 09/937,296

&lt;141&gt; 2001-09-25

&lt;150&gt; PCT/GB00/01740

&lt;151&gt; 2000-05-05

&lt;160&gt; 2

&lt;170&gt; PatentIn Ver. 2.0

&lt;210&gt; 1

&lt;211&gt; 145

&lt;212&gt; PRT

&lt;213&gt; Myxococcus xanthus

&lt;400&gt; 1

Met Ala Ile Glu Arg Thr Leu Ser Ile Ile Lys Pro Asp Gly Leu Glu  
1 5 10 15

Lys Gly Val Ile Gly Lys Ile Ile Ser Arg Phe Glu Glu Lys Gly Leu  
20 25 30

Lys Pro Val Ala Ile Arg Leu Gln His Leu Ser Gln Ala Gln Ala Glu  
35 40 45

Gly Phe Tyr Ala Val His Lys Ala Arg Pro Phe Phe Lys Asp Leu Val  
50 55 60

Gln Phe Met Ile Ser Gly Pro Val Val Leu Met Val Leu Glu Gly Glu  
65 70 75 80

Asn Ala Val Leu Ala Asn Arg Asp Ile Met Gly Ala Thr Asn Pro Ala  
85 90 95

Gln Ala Ala Glu Gly Thr Ile Arg Lys Asp Phe Ala Thr Ser Ile Asp  
100 105 110

Lys Asn Thr Val His Gly Ser Asp Ser Leu Glu Asn Ala Lys Ile Glu  
115 120 125

Ile Ala Tyr Phe Phe Arg Glu Thr Glu Ile His Ser Tyr Pro Tyr Gln  
130 135 140

Lys  
145

&lt;210&gt; 2

&lt;211&gt; 145

BEST AVAILABLE COPY

<212> PRT  
<213> Myxococcus xanthus

<220>  
<221> mutagen  
<222> 112  
<223> native Asp replaced with Cys

<400> 2  
Met Ala Ile Glu Arg Thr Leu Ser Ile Ile Lys Pro Asp Gly Leu Glu  
1 5 10 15  
Lys Gly Val Ile Gly Lys Ile Ile Ser Arg Phe Glu Glu Lys Gly Leu  
20 25 30  
Lys Pro Val Ala Ile Arg Leu Gln His Leu Ser Gln Ala Gln Ala Glu  
35 40 45  
Gly Phe Tyr Ala Val His Lys Ala Arg Pro Phe Phe Lys Asp Leu Val  
50 55 60  
C7 Gln Phe Met Ile Ser Gly Pro Val Val Leu Met Val Leu Glu Gly Glu  
65 70 75 80  
Asn Ala Val Leu Ala Asn Arg Asp Ile Met Gly Ala Thr Asn Pro Ala  
85 90 95  
Gln Ala Ala Glu Gly Thr Ile Arg Lys Asp Phe Ala Thr Ser Ile Cys  
100 105 110  
Lys Asn Thr Val His Gly Ser Asp Ser Leu Glu Asn Ala Lys Ile Glu  
115 120 125  
Ile Ala Tyr Phe Phe Arg Glu Thr Glu Ile His Ser Tyr Pro Tyr Gln  
130 135 140  
Lys  
145

---

BEST AVAILABLE COPY